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MAR 05 2004

Technology Center 2600

In the Claims

1. [Currently Amended] A radio frequency identification device comprising:  
a substrate;

communication circuitry coupled with the substrate and configured to receive a wireless signal including an identifier, to process the identifier of the wireless signal and to output a control signal responsive to the processing of the identifier;

indication circuitry coupled with the communication circuitry and configured to receive the control signal and to indicate presence at the radio frequency identification device responsive to the control signal; and

wherein the communication circuitry ~~comprises radio frequency identification device communication circuitry~~ is configured to output another wireless signal including backscattering electromagnetic energy received by the radio frequency identification device.

2. [Original] The device according to claim 1 wherein the indication circuitry includes a light emitting device configured to emit a human visible signal to indicate the presence.

3. [Original] The device according to claim 1 wherein the wireless signal includes data and the communication circuitry is configured to output the control signal comprising the data.

[ 4. Cancel.

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<sup>11</sup> 5. [Original] A remote communication device comprising:

a housing;

communication circuitry supported by the housing and including a data port, the communication circuitry being configured to receive a wireless signal including an identifier and data, to process the identifier, and to write the data to the data port responsive to the processing of the identifier; and

indication circuitry coupled with the data port and configured to receive the data and to indicate presence of the remote communication device responsive to the data.

<sup>12</sup> 6. [Original] The device according to claim <sup>11</sup> 5 wherein the indication circuitry is configured to emit a human perceptible signal to indicate the presence.

<sup>13</sup> 7. [Original] The device according to claim <sup>11</sup> 5 wherein the indication circuitry includes a light emitting device configured to emit a human visible signal to indicate the presence.

<sup>14</sup><sub>8.</sub> [Original] The device according to claim <sup>11</sup><sub>5</sub> wherein the communication circuitry is configured to output a wireless signal.

<sup>15</sup><sub>8.</sub> [Original] The device according to claim <sup>11</sup><sub>5</sub> wherein the wireless signal includes a command and the communication circuitry writes the data to the data port responsive to the command.

<sup>16</sup><sub>10.</sub> [Original] The device according to claim <sup>11</sup><sub>5</sub> wherein the communication circuitry comprises radio frequency identification device circuitry.

<sup>17</sup><sub>11.</sub> [Original] A remote communication device comprising:  
a housing;

communication circuitry supported by the housing and including a data port, the communication circuitry being configured to receive a wireless signal including an identifier and data, to process the identifier, and to write the data to the data port responsive to the processing of the identifier; and

indication circuitry including:

a latch coupled with the data port and configured to receive the data; and

an indicator coupled with the latch and configured to output a signal to indicate presence of the remote communication device responsive to the data received within the latch.

<sup>18</sup>  
~~12~~. [Original] The device according to claim <sup>17</sup>~~11~~ wherein the indicator is configured to emit a human perceptible signal to indicate the presence.

<sup>19</sup>  
~~13~~. [Original] The device according to claim <sup>17</sup>~~11~~ wherein the indicator includes a light emitting device configured to emit a human visible signal to indicate the presence.

<sup>20</sup>  
~~14~~. [Original] The device according to claim <sup>17</sup>~~11~~ wherein the wireless signal includes a command and the communication circuitry writes the data to the data port responsive to the command.

<sup>21</sup>  
~~15~~. [Original] The device according to claim <sup>17</sup>~~11~~ wherein the communication circuitry comprises radio frequency identification device circuitry.

<sup>22</sup>  
~~16~~. [Currently Amended] A radio frequency identification device comprising:  
~~an integrated circuit including~~ communication circuitry configured to receive a wireless signal including an identifier, to process the identifier of the wireless signal and to output a control signal responsive to the processing of the identifier;  
indication circuitry coupled with the communication circuitry and configured to receive the control signal and to output a human perceptible signal to indicate presence of the radio frequency identification device responsive to the control signal; and

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wherein the communication circuitry is configured to output another wireless signal ~~providing radio frequency identification device communications including identifying comprising an identifier of~~ the radio frequency identification device.

<sup>23</sup>  
~~17.~~ [Original] The device according to claim ~~16~~<sup>22</sup> wherein the indication circuitry includes a light emitting device configured to emit a human visible signal to indicate the presence.

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<sup>24</sup>  
~~18.~~ [Original] The device according to claim ~~16~~<sup>22</sup> wherein the wireless signal includes data and the communication circuitry is configured to output the control signal comprising the data.

<sup>25</sup>  
~~19.~~ [Previously Presented] The device according to claim ~~16~~<sup>22</sup> wherein the communication circuitry is configured to output the another wireless signal comprising a modulated continuous wave signal.

<sup>26</sup>  
~~20.~~ [Original] The device according to claim ~~16~~<sup>22</sup> further comprising a battery coupled with the communication circuitry and the indication circuitry.

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21. [Currently Amended] An identification system comprising:

an interrogator configured to output a wireless signal to identify at least one of a plurality of radio frequency identification devices;

plural radio frequency identification devices individually configured to receive the wireless signal and individually comprising radio frequency identification device communication circuitry configured to control emission of a human perceptible signal to indicate presence of the respective ~~and to selectively output another wireless signal to implement radio frequency identification device communications within a communications range of the interrogator and to backscatter electromagnetic energy to output another wireless signal responsive to the received wireless signal;~~ and

wherein only the at least one radio frequency identification device identified by the wireless signal is configured to output the human perceptible signal responsive to receiving the wireless signal.

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22. [Original] The system according to claim 21 wherein the radio frequency identification devices individually include a light emitting device configured to emit a human visible signal to indicate presence.

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23. [Original] The system according to claim 21 wherein the wireless signal includes an identifier and the at least one radio frequency identification device is configured to indicate presence responsive to the identifier.

24. Cancel.

<sup>32</sup>  
~~25.~~ [Original] An identification system comprising:

an interrogator configured to output a wireless signal including an identifier and data;  
and

a plurality of remote communication devices configured to communicate with the  
interrogator and individually including:

communication circuitry including a data port and the communication circuitry  
being configured to receive the wireless signal, to process the identifier, and to selectively  
write the data to the data port responsive to the processing of the identifier; and

indication circuitry coupled with the communication circuitry and configured  
to receive the data and to indicate presence of the respective remote communication  
device responsive to the data.

<sup>33</sup>  
~~26.~~ [Original] The system according to claim <sup>32</sup>~~25~~ wherein the indication circuitry  
is configured to emit a human perceptible signal to indicate the presence.

<sup>34</sup>  
~~27.~~ [Original] The system according to claim <sup>32</sup>~~25~~ wherein the indication circuitry  
includes a light emitting device configured to emit a human visible signal to indicate the  
presence.

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28. [Original] The system according to claim 32 wherein the wireless signal includes a command and the communication circuitry writes the data to the data port responsive to the command.

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29. [Original] The system according to claim 32 wherein the communication circuitry comprises radio frequency identification device circuitry.

HI  
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30. [Original] An identification system comprising:  
an interrogator configured to output plural forward link radio frequency signals individually including a command, data, and an identifier to identify at least one of a plurality of radio frequency identification devices;

a plurality of radio frequency identification devices configured to communicate with the interrogator and individually including:

a substrate;

communication circuitry coupled with the substrate and including a data port, the communication circuitry being configured to receive the wireless signal, to process the identifier, to selectively process the command responsive to the processing of the identifier, and to selectively write the data to the data port responsive to the processing of the command;



indication circuitry coupled with the data port and configured to receive the data and to output a human visible signal to indicate presence of the radio frequency identification device responsive to the data; and

a battery coupled with the substrate and configured to supply power to the communication circuitry and the indication circuitry; and

wherein only the at least one radio frequency identification device which is identified by the identifier of the wireless signal emits the human visible signal to indicate presence.

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31. [Currently Amended] A communication method comprising:

- providing a radio frequency identification device;
- receiving a wireless signal including an identifier within the radio frequency identification device;
- processing the identifier;
- generating a control signal after the processing;
- indicating presence of the radio frequency identification device using indication circuitry of the radio frequency identification device responsive to the control signal; and
- outputting another wireless signal comprising backscattering electromagnetic energy using the radio frequency identification device responsive to the processing ~~and to implement radio frequency identification device communications.~~

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32. [Original] The method according to claim ~~31~~<sup>38</sup> further comprising outputting the wireless signal using an interrogator.

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33. [Original] The method according to claim ~~31~~<sup>38</sup> wherein the indicating includes emitting a human perceptible signal.

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34. [Original] The method according to claim ~~31~~<sup>38</sup> wherein the indicating includes emitting a human visible signal.

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35. [Original] The method according to claim ~~31~~<sup>38</sup> wherein the wireless signal includes data and the control signal comprises the data.

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36. [Original] A communication method comprising:  
providing a remote communication device;  
receiving a wireless signal including an identifier and data within the remote communication device;  
processing the identifier;  
selectively outputting the data to indication circuitry of the remote communication device after the processing; and  
emitting a human perceptible signal using the indication circuitry after the outputting the data.

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37. [Original] The method according to claim 36 wherein the emitting includes emitting a human visible signal.

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38. [Original] The method according to claim 36 further comprising processing a command and the emitting is responsive to the processing the command.

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39. [Original] The method according to claim 36 wherein the providing includes providing a radio frequency identification device.

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40. [Original] An identification method comprising:  
providing a plurality of remote communication devices comprising radio frequency identification devices individually including indication circuitry;  
associating the remote communication devices with respective plural objects;  
outputting a wireless signal to identify at least one object;  
receiving the wireless signal within the remote communication devices; and  
indicating presence of the at least one selected object using the indication circuitry of the remote communication device associated with the at least one selected object; and  
outputting another wireless signal responsive to the receiving using the remote communication device associated with the at least one selected object.

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41. [Original] The method according to claim 40 wherein the indicating includes emitting a human perceptible signal.

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42. [Original] The method according to claim 40 wherein the indicating includes emitting a human visible signal.

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43. [Original] The method according to claim 40 wherein the wireless signal includes an identifier and the indicating is responsive to the identifier.

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44. [Original] The method according to claim 40 further comprising processing the wireless signal and the indicating is responsive to the processing.

[ 45. Canceled.

57  
46. [Previously Presented] An identification method comprising:  
providing a plurality of radio frequency identification devices individually including indication circuitry;  
outputting a wireless signal to identify at least one of the radio frequency identification devices;

receiving the wireless signal within the radio frequency identification devices;  
emitting a human perceptible signal after the receiving using the indication circuitry  
of the at least one identified radio frequency identification device; and  
emitting another wireless signal using radio frequency identification device  
communication circuitry of the at least one identified radio frequency identification device,  
wherein the another wireless signal identifies the at least one identified radio frequency  
identification device.

41 <sup>58</sup>  
~~47.~~ [Original] The method according to claim <sup>57</sup>~~46~~ wherein the emitting includes  
emitting a human visible signal.

<sup>59</sup>  
~~48.~~ [Original] The method according to claim <sup>57</sup>~~46~~ wherein the wireless signal  
includes data and the emitting is responsive to the data.

<sup>60</sup>  
~~49.~~ [Currently Amended] The method according to claim <sup>57</sup>~~46~~ wherein the  
outputting emitting the another wireless signal includes outputting an identifier.

<sup>61</sup>  
~~50.~~ [Original] The method according to claim <sup>57</sup>~~46~~ further comprising processing  
the wireless signal and the emitting is responsive to the processing.

4 ~~51~~ [Original] The device according to claim 1 wherein the communication circuitry is configured to output the control signal comprising digital information.

5 ~~52~~ [Original] The device according to claim 1 wherein the communication circuitry is configured to extract digital data from the wireless signal and to output the control signal comprising the extracted digital data.

HI 6 ~~53~~ [Currently Amended] The device according to claim 1 further comprising an antenna coupled with the communication circuitry and the control signal is configured to alter the impedance of the antenna to backscatter modulate the electromagnetic energy of a continuous wave signal received at the antenna.

[ 54. Cancel.

7 ~~55~~ [Currently Amended] The device according to claim 1 wherein the communication circuitry is configured to output [[a]] the another wireless signal having data therein according to the control signal.

8 ~~56~~ [Original] The device according to claim 1 wherein the communication circuitry comprises a processor configured to execute executable instructions to process the identifier.

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57. [Original] The device according to claim 1 wherein the communication circuitry is configured to process the identifier comprising digital information.

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58. [Original] The method according to claim 48 wherein the outputting comprises outputting the wireless signal including data, and further comprising extracting the data and the indicating being responsive to the extracted data.

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59. [Original] The method according to claim 48 wherein the outputting comprises outputting the wireless signal including digital data, and further comprising extracting the data and the indicating being responsive to the extracted digital data.

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60. [Original] The method according to claim 48 wherein the outputting the another wireless signal comprises backscatter modulating a continuous wave signal.

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61. [Original] The method according to claim 48 further comprising processing the wireless signal comprising executing a plurality of executable instructions, and wherein the indicating is responsive to the processing.

[ 62. Canceled.

<sup>27</sup>  
~~63~~. [Previously Presented] The device according to claim <sup>23</sup>~~16~~ wherein the communication circuitry comprises radio frequency identification device communication circuitry.

<sup>62</sup>  
~~64~~. [Previously Presented] An identification method comprising:  
providing a plurality of remote communication devices individually including indication circuitry;

associating the remote communication devices with respective plural objects;

outputting a wireless signal to identify at least one object and including data;

receiving the wireless signal within the remote communication devices;

extracting the data;

indicating presence of the at least one selected object using the indication circuitry of the remote communication device associated with the at least one selected object responsive to the extracting; and

outputting another wireless signal responsive to the receiving using the remote communication device associated with the at least one selected object.

<sup>63</sup>  
~~65~~. [Previously Presented] The method according to claim <sup>62</sup>~~64~~ wherein the outputting the wireless signal comprises outputting the wireless signal including digital data.



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-66. [New] The device according to claim 1 wherein the another wireless signal identifies the radio frequency identification device.

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-67. [New] The system according to claim 21 wherein the another wireless signal comprises an identifier configured to identify the respective radio frequency identification device which communicated the another wireless signal.

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-68. [New] The method according to claim 31 wherein the another wireless signal comprises an identifier configured to identify the radio frequency identification device.

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